PATENT ABSTRACTS OF JAPAN

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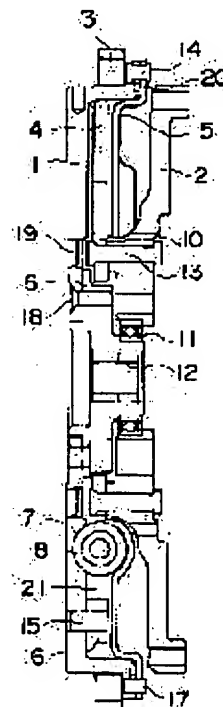## (54) VIBRATION DAMPING FLYWHEEL WITH DOUBLE MASS IN AUTOMOBILE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a vibration damping flywheel with a double mass in an automobile capable of buffering shock of output torque of an engine and damping twisted vibration of a driving system by means of the double mass.

SOLUTION: The vibration damping flywheel with the double mass in the automobile comprises a flywheel with a primary mass 1 and a secondary mass 2, a compressed coil spring, in which two sets of the compressed coil springs 7, 8 respectively located in an inner side and outer side are filled up by grease, for improving damping effect in order to improve buckling prevention and durable strength, a drive plate 4 capable of flexibly realizing a hysteresis curve of the spring by compressing the coil spring while rolling on the compressed coil spring and by adjusting the shapes by means of an ax-shaped die or arch- shaped die, a roller 9 for compressing while the drive plate 4 is rotating itself and also rolling on the spring, and a spring guide capable of supporting a compression type coil spring.

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